

3D Printing of Electronics: From Flexible Sensors to Bioelectronics

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Abstract

3D Printing or additive manufacturing has already been widely applied to enable new product design and new workflow in a spectrum of industrial applications and research. In this talk, we would like to present the potential of 3D printing of electronics as a design paradigm for the creation of novel functional interfaces. From sensors to robotics grippers, we will share examples of design and fabrication via 3D printing of electronics. Pushing the boundary further into the biological domain, we also examined the potential of converging 3D bioprinting with printed electronics to achieve new interfaces in bioelectronics for tissue engineering.

Keywords

3D printing, bioelectronics, soft sensors